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Filed : August 8, 2001

IN THE CLAIMS:

Please amended the claims as follows:

1. (Currently amended) A radiowave monitoring method comprising the steps of:

~~comparing an observed pattern of intensities versus arrival directions of a radiowave, which is emitted from a radiowave emitting source, observed at one position in an observation area with simulated patterns of intensities at other plural positions in the observation area versus emitting directions of a simulated radiowave emitted from said one position, the simulated pattern being obtained while changing the emitting direction of the simulated radiowave; and~~

creating simulated patterns of intensities and emitting directions of a simulated radiowave emitted from one position in an observation area, the simulated patterns of intensities and emitting directions being produced through computer simulation for plural positions in the observation area;

obtaining an observed pattern of intensities and arrival directions of a radiowave which is emitted from a radiowave emitting source, the observed pattern of intensities and arrival directions being obtained at said one position;

comparing the simulated patterns at said plural positions with the observed pattern at said one position; and

identifying a position out of said plural positions whose simulated pattern shows the best correlation with the observed

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pattern at said one position as a location of the radiowave emitting source.

2. (Canceled)

3. (Currently amended) A radiowave monitoring method according to claim 1, wherein

in creating the simulated patterns of intensities ~~versus the~~ and emitting directions of the simulated radiowaves emitted from said one position, the observation area is two-dimensionally divided into a plurality of regions, and electric field intensities to be observed in the respective regions are computed.

4. (Currently amended) A radiowave monitoring method according to claim 3, wherein

in creating the simulated patterns of intensities ~~versus the~~ and emitting directions of the simulated radiowaves emitted from said one position, while changing the emitting direction of the simulated radiowave emitted from said ~~on~~ one position, the electric field intensities to be observed in the respective regions are computed to ~~give~~ obtain electric field intensity distributions for the respective emitting directions.

5. (Currently amended) A radiowave monitoring method according to claim 1, wherein

in creating the simulated patterns of intensities ~~versus the~~ and emitting directions of the simulated radiowaves emitted from said one position, the observation area is three-dimensionally

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divided into a plurality of spaces, and electric field intensities to be observed in the respective spaces are computed.

6. (Currently amended) A radiowave monitoring method according to claim 5, wherein

in creating the simulated patterns of intensities ~~versus the~~ and emitting directions of the simulated radiowaves emitted from said one position, while changing the emitting direction of the simulated radiowave emitted from said ~~on~~ one position, the electric field intensities to be observed in the respective regions are computed to ~~give~~ obtain electric field intensity distributions for the respective emitting directions.

7. (Currently amended) A radiowave monitoring method according to claim 3, wherein

in creating the simulated patterns of intensities ~~versus the~~ and emitting directions of the simulated radiowaves emitted from said one position, geography and ground objects in the observation area are taken into consideration.

8. (Currently amended) A radiowave monitoring method according to claim 5, wherein

in creating the simulated patterns of intensities ~~versus the~~ and emitting directions of the simulated radiowaves emitted from said one position, geography and ground objects in the observation area are taken into consideration.

9. (Previously amended) A radiowave monitoring method according to claim 1, wherein

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based on the location of the identified radiowave emitting source and the simulation result, propagation path of the radiowave from the radiowave emitting source to said one position is traced.

10. (Original) A radiowave monitoring method according to claim 9, wherein

based on a result of tracing the propagation path, antenna directivity of the radiowave emitting source is estimated.

11. (Previously amended) A radiowave monitoring method according to claim 10, wherein

based on the estimated antenna directivity of the radiowave emitting source, an electric field intensity distribution of the radiowave emitted from the radiowave emitting source is computed.

12. (Currently amended) A radiowave monitoring apparatus comprising:

a radiowave observing means disposed at one position in an observation area, for observing a pattern of intensities ~~versus~~ and arrival directions of a radiowave emitted from a radiowave emitting source;

a storing means for storing simulated patterns of intensities and emitting directions at other plural positions in the observation area ~~versus emitting directions~~ of a simulated radiowave emitted from said one position, the simulated ~~pattern~~ patterns being obtained through computation performed by a simulation means while changing the emitting direction of the simulated radiowave; and

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a radiowave emitting source identifying means for comparing the pattern observed by the radiowave observing means with the simulated patterns stored in the storing means to identify a position out of said plural positions whose simulated pattern shows the best correlation with the pattern observed by the radiowave observing means at said one position as a location of a radiowave emitting source.

13. (Previously amended) A radiowave monitoring apparatus according to claim 12, wherein

the simulation means two-dimensionally divides the observation area into a plurality of regions, and computes electric field intensities of the simulated radiowave emitted from said one position, which are to be observed in the respective regions.

14. (Currently amended) A radiowave monitoring apparatus according to claim 13, wherein

the storing means stores electric field intensities of the simulated radiowave emitted from said one position in different emitting directions, which are to be observed in the respective regions, for the respective directions.

15. (Previously amended) A radiowave monitoring apparatus according to claim 12, wherein

the simulation means three-dimensionally divides the observation area into a plurality of spaces and computes electric field intensities of the simulated radiowave emitted from said one position, which are to be observed in the respective spaces.

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16. (Currently amended) A radiowave monitoring apparatus according to claim 15, wherein

the storing means stores electric field intensities of the simulated radiowave emitted from said one position in different emitting directions, which are to be observed in the respective spaces, for the respective directions.

17. (Previously amended) A radiowave monitoring apparatus according to claim 12, further comprising

a propagation path tracing means for tracing a propagation path of the radiowave from the radiowave emitting source to said one position, based on the location of the radiowave emitting source identified by the radiowave emitting source identifying means and the simulation result.

18. (Original) A radiowave monitoring apparatus according to claim 17, further comprising

an antenna directivity estimating means for estimating antenna directivity of the radiowave emitting source, based on a result of tracing the propagation path given by the propagation path tracing means.

19. (Previously amended) A radiowave monitoring apparatus according to claim 18, further comprising

an electric field intensity computing means for computing an electric field intensity distribution of the radiowave emitted from the radiowave emitting source, based on the antenna directivity of

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the radiowave emitting source estimated by the antenna directivity
estimating means.